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## Status of the claims:

- 1. (Currently Amended) A process for separately recovering 2,4,6-trinitrotoluene and cyclo-1,3,5-trimethylene-2,4,6-trinitramine from a blend of 2,4,6-trinitrotoluene and cyclo-1,3,5trimethylene-2,4,6-trinitramine, which process comprises:
- a) conducting said blend of 2,4,6-trinitrotoluene and cyclo-1,3,5-trimethylene-2,4,6trinitramine into the upper section of a contact vessel containing a solvent phase at its upper section and a water phase at its lower section wherein solvent is continuously introduced into said vessel above the water phase and wherein water is continuously introduced into said vessel to maintain a predetermined level;
- b) dissolving at least a portion of the 2,4,6-trinitrotoluene in the solvent phase, thereby resulting in a solvent/2,4,6-trinitrotoluene solution and wherein solid cyclo-1,3,5-trimethylene-2,4,6-trinitramine particles settle through the solvent phase and into the water phase resulting in an upper solvent/2,4,6-trinitrotoluene phase and a lower cyclo-1,3,5-trimethylene-2,4,6trinitramine solids/water slurry phase;
- c) conducting said solvent/2,4,6-trinitrotoluene solution from said contact vessel to a separation zone wherein solvent is separated from said 2,4,6-trinitrotoluene and wherein said solvent is recovered separately from the 2,4,6-trinitrotoluene;
- d) conducting said cyclo-1,3,5-trimethylene-2,4,6-trinitramine solids/water slurry to a recovery vessel that contains a desensitizing agent effective for desensitizing the cyclo-1,3,5trimethylene-2,4,6-trinitramine wherein said desensitizing agent is continuously introduced into said recovery yessel;





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- e) displacing said water in said slurry with said desensitizing agent to result in an upper water/desensitizing agent phase and a lower cyclo-1,3,5-trimethylene-2,4,6-trinitramine solids/desensitizing agent phase;
- f) collecting said cyclo-1,3,5-trimethylene-2,4,6-trinitramine solids/desensitizing agent phase; and
- g) conducting said water/desensitizing agent phase to a separation zone wherein the water is separated from the desensitizing agent.
- 2. (Presently Amended) The process of claim [2] 1 wherein there is also a binder present with the blend of 2,4,6-trinitrotoluene and cyclo-1,3,5-trimethylene-2,4,6-trinitramine.
  - 3. (Original) The process of claim 2 wherein said binder is a wax.
  - 4. (Original) The process of claim 1 wherein said solvent is toluene.
- 5. (Original) The process of claim 1 wherein substantially all of the 2,4,6-trinitrotoluene is dissolved in said solvent.
- 6. (Original) The process of claim 3 wherein substantially all of the 2,4,6-trinitrotoluene is dissolved in said solvent.
- 7. (Original) The process of claim 1 wherein the solvent is introduced into said contact vessel at a rate lower than the rate of settling of said particles.
- 8. (Original) The process of claim 6 wherein the solvent is introduced into said contact yessel at a rate lower than the rate of settling of said particles.





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- 9. (Original) The process of claim 1 wherein the solvent is recycled to said contact vessel after being separated from said 2,4,6-trinitrotoluene.
- 10. (Original) The process of claim 8 wherein the solvent is recycled to said contact vessel after being separated from said 2,4,6-trinitrotoluene.
- 11. (Original) The process of claim 1 wherein said desensitizing agent is introduced into said recovery vessel countercurrent to the introduction of said cyclo-1,3,5-trimethylene-2,4,6-trinitramine solids/water slurry.
- 12. (Original) The process of claim 10 wherein said desensitizing agent is introduced into said recovery vessel countercurrent to the introduction of said cyclo-1,3,5-trimethylene-2,4,6-trinitramine solids/water slurry.
- 13. (Original) The process of claim 1 wherein said desensitizing agent is recycled to said recovery vessel after being separated from the water.
- 14. (Original) The process of claim 12 wherein said desensitizing agent is recycled to said recovery vessel after being separated from the water.
- 15. (Original) The process of claim 1 wherein said desensitizing agent is isopropyl alcohol.
- 16. (Original) The process of claim 12 wherein said desensitizing agent is isopropyl alcohol.